N

1:500 METRIC
5m 0 5m 10m 15m 20m

NORTHERN ROUNDABOUT

SOUTHERN ROUNDABOUT

Gantrys

Tunnels

Track

BLUEWATER PARKWAY

LIME TREE AVENUE

SLIP ROAD

NEW TUNNEL

TUNNEL WESTERN PORTAL

TUNNEL EASTERN PORTAL

ASSUMED SWALE

SLIP ROAD

Drainage from sub-station to be adjusted as necessary in liaison with Bluewater and Thames Water

Existing outfall position to reed bed unchanged, but adapted to discharge into new reed bed

Reed bed

MANHOLE COVER TO BE ADJUSTED

GULLY TO BE RELOCATED

INSPECTION CHAMBER TO BE RELOCATED

GULLY TO BE RELOCATED

225mm GULLY TO BE RELOCATED

GULLY TO BE RELOCATED

GULLY TO BE RELOCATED

150mm DIA

PROPOSED TWIN 800mm DIA PIPES

PROPOSED 600mm DIA WILDLIFE CORRIDOR

150mm DIA

225mm DIA.

300mm DIA.

OUTFALL TO ASSUMED SWALE

PROPOSED TWIN 800mm DIA PIPES

Camland EQ estate drainage system

EM1 EM2 EM3 EM4 EM5 EM6 EM7 EM8 EM9

PM1 PM2 PM3

G1 G2 G3 G4 G5 G6 G7 G8 G10 G11 G12

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NOTES

1. Drawing to be printed in colour.
2. Do not scale from drawing.
3. All dimensions are in metres unless stated otherwise.

KEY

- PM1 — Proposed Manhole
- G14 — Proposed Gully
- EM1 — Existing Manhole
- Existing Gully
- Existing drainage
- Existing drainage taken out
- Existing main drain
- 150mm concrete or clay connection pipes in accordance with the table 5.1 in series 500 MCHW
- 225mm DIA main drain
- 300mm DIA main drain

ASSUMPTIONS

1. The gullies locations are based on 200m^2 per gully or located to cut off water flow above toucan crossings.
2. The detailed designer must verify that the existing drainage can take the flows,
3. The carrier pipe size is assumed to be 300mm dia. and will need to be checked in detailed design.

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following :

CONSTRUCTION

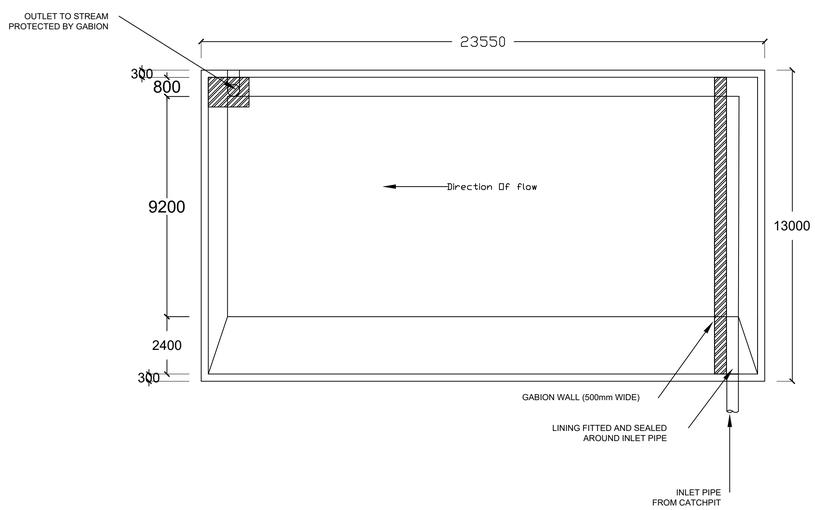
A000 - Identify and locate existing services. All buried services to be isolated / protected prior to start of works. Ensure adequate separation of construction activities and adjacent live carriageways.
Implement safety measures when working in excavations, confined spaces and traffic areas.
Implement appropriate safety measures when working around and over bodies of water and reed beds.
Implement measures to protect all wildlife encountered, especially protected species.

MAINTENANCE / CLEANING
- As above

DECOMMISSIONING / DEMOLITION
- As above

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved method statement

REED BED DETAIL



Rev	Rev. Date	Purpose of revision	Drawn	Checkd	Rev'd	Apprv'd
P04	JAN. 2020	WEST SIDE CROSSING CHANGES	CP	MB	MB	PW
P03	SEPT. 2019	PLANNING APPLICATION	WJ	MJ	MJ	PW
P02	AUGUST. 2019	DRAINAGE LAYOUT AMMENDED	IK	MJ	SY	PW
P01	JULY. 2019	PLANNING APPLICATION	IK	MJ	SY	PW
P01	JUNE. 2019	FOR CONSULTATION	CP	MJ	SY	PW

JACOBS
Cottons Centre, London, SE1 2QG
Tel:+44 (0)191 206 4115
www.jacobs.com

Client: Kent County Council

Project: Fastrack Full Network
Bean Road Tunnel

Drawing title: REFERENCE DESIGN
DRAINAGE PLAN

Drawing status: PLANNING APPLICATION

Scale	1:500 @ A1	DO NOT SCALE
Jacobs No.	B2350500	Rev P04
Client no.		

Drawing number: B2350500-JAC-DRG-HA-0008

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